Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2018 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124223	-1	1.63	124027	1.56
Blue	F	SSC	125000	123692	-2	3.96	124006	3.66
Blue	E	FITC	23158	22385	-4	2.74	1040	11.00
Blue	D	PE	31171	30579	-2	2.27	1153	10.10
Blue	B	PerCP-Cy5-5	59762	58973	-2	4.25	1538	18.05
Blue	A	PE-Cy7	57533	56735	-2	6.94	793	38.09
Red	C	APC	69353	68319	-2	2.57	3441	9.34
Red	A	APC-Cy7	66644	65140	-3	4.03	1268	10.90
Violet	B	V450	16327	15744	-4	3.43	843	8.97
Violet	A	V500	62036	60500	-3	2.95	2826	6.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22517	4.18	609	-7	N/A	N/A	Pass
Blue	F	SSC	56746	1.36	563	5	N/A	N/A	Pass
Blue	E	FITC	114	41.08	553	-2	0.0191	117	Pass
Blue	D	PE	194	36.80	557	0	0.1466	209	Pass
Blue	B	PerCP-Cy5-5	250	46.43	652	3	0.0082	47	Pass
Blue	A	PE-Cy7	147	94.22	714	5	0.0100	21	Pass
Red	C	APC	497	24.30	605	-5	0.0182	0	Pass
Red	A	APC-Cy7	275	25.76	583	-4	0.0043	1097	Pass
Violet	B	V450	104	42.56	486	-6	0.0429	1972	Pass
Violet	A	V500	250	19.39	505	-6	0.0120	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.38	-32.22	0.96
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.38
Red	16.92	13.60 - 20.40	N/A	N/A	32.32	32.62	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11828

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments